

DESCRIPTIONInhibitors of Serine Protease Activity of Matriptase or  
MTSP1Cross Reference to Related Applications

5 This application is a continuation-in-part of PCT  
Application No. PCT/US01/28137 filed September 7, 2001 which  
designates the United States of America, which is a  
continuation-in-part of United States Serial No. 09,675,986,  
10 *now U.S. Patent No. 6,797,504* filed September 8, 2000, the disclosures of which are  
incorporated herein by reference.

*HP*  
*6/24/06*

Field Of The Invention

15 The present invention is directed to methods of  
reducing tumor progression and/or metastasis. Matriptase  
and MTSP1 are serine proteases reported to be expressed in  
high levels in certain cancer cell lines.

20 According to one aspect, the present invention provides  
compounds which bind to the serine protease domain and are  
active as selective inhibitors of the serine protease  
activity of matriptase or MTSP1. These inhibitors can be  
used to inhibit the serine protease activity of matriptase  
or MTSP1 and thereby reduce harmful effects of its over-  
expression. Another aspect of the present invention is  
directed to the use of compounds that bind to the serine  
protease domain and selectively inhibit the serine protease  
25 activity of matriptase or MTSP1; such compounds may be used  
in the prevention and treatment of cancerous conditions and  
which decrease the growth of cancerous tumors and retard  
metastasis.